Saarland University is a campus university that is internationally recognized for its strong research programmes. Fostering young academic talent and creating ideal conditions for teaching and research are a core part of the university’s mission. As part of the University of the Greater Region, Saarland University enables students and staff to share and exchange knowledge and ideas between disciplines, between universities and across borders. With over 17,000 national and international students, studying more than a hundred different academic disciplines, Saarland University is a diverse and dynamic learning environment. [Saarland University is officially recognized as one of Germany’s family-friendly higher-education institutions and with a combined workforce of more than 4,000 it is one of the largest employers in the region.]

The Chair of Innovative Implant Development (Fracture Healing) is inviting applications for the following position commencing at the earliest opportunity.

**Academic research assistant (m/f/x)**

Reference number W2182, salary in accordance with the German TV-L salary scale¹, pay grade: E13 TV-L, duration of employment: until December 31st, 2025, volume of employment: 100 % of standard working time.

**Workplace/Department:**

The Chair of Innovative Implant Development (Fracture Healing) deals with the development of new, smart implants for the treatment of bone fractures and with immobilisation- and age-related changes in the musculoskeletal system. The young and dynamic team operates in an international and interdisciplinary context. There is intensive cooperation with engineering and computer science chairs, with various clinics at Saarland University Hospital, and with Manchester Metropolitan University in England. In addition, the chair cooperates in space research projects with ESA, NASA and DLR. The unit is located in the Surgery Department of Saarland University Hospital, which allows direct access to patients on the wards and in the outpatient clinics. Website: [https://www.uniklinikum-saarland.de/de/einrichtungen/kliniken_institute/chirurgie/innovative_implantatentwicklung](https://www.uniklinikum-saarland.de/de/einrichtungen/kliniken_institute/chirurgie/innovative_implantatentwicklung)

The advertised position is for a postdoctoral researcher (m/f/d) with a completed PhD and research experience in the context of muscle physiology, neuromuscular interaction and sarcopenia/frailty. The postdoctoral position is part of the EU project "Center for Digital Neurotechnologies Saar (CDNS)"*, which is funded by the European Regional Development Fund (ERDF). The aim is to investigate immobilisation-related changes in skeletal muscles and

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¹ TV-L = collective agreement on remuneration of public sector employees in the German Länder

The pay grade assigned to an employee depends on their professional qualifications and the number of years of service. Each pay grade is further subdivided into levels. Entry-level employees with no previous experience will initially be assigned a level 1 rating. After one year at level 1 of the E10 pay grade, an employee will move up to level 2. After a further two years, the employee will move to level 3, etc.
neuromuscular interaction in surgical patients, e.g. after polytrauma, in collaboration with the Systems Neuroscience & Neurotechnology Unit (SNNU) at Saarland University and the Saarland University of Applied Sciences (HTW Saar), as well as with the Centre for Mechatronics and Automation Technology (ZeMA) in Saarbrücken.

**Job requirements and responsibilities:**

- Conception and implementation of studies and measurements on test persons and patients
- Cooperation with collaboration partners, doctoral students, physicians and study nurses
- Data processing and data analysis
- Writing scientific articles and publication in international journals

**Your academic qualifications:**

- Completed university degree
- Completed doctoral degree / PhD
- Research experience in the context of muscle physiology, neuromuscular interaction and sarcopenia/Frailty
- Experience in the publication of research results and already publication of several research papers in peer-reviewed scientific journals in English
- Interest in a scientific career
- Language skills (according to GER): English C2

**The successful candidate will also be expected to:**

- Have interest and pleasure in interdisciplinary work across disciplines, as well as the ability to view the given problems holistically
- Be capable of independent scientific work in an interdisciplinary team
- Be interested in publishing scientific papers in international journals

**What we can offer you:**

- A flexible work schedule allowing you to balance work and family, among other things the possibility of teleworking
- Future-oriented employment with attractive conditions
- A broad range of further education and professional development programmes (for example language courses)
- An occupational health management model with numerous attractive options, such as our university sports programme
- Supplementary pension scheme (RZVK)
- Discounted tickets on local public transport services ('Job-Ticket Plus' of the saarVV)

We look forward to receiving your meaningful online application (in a PDF file) by **31.10.2022** to christina.hoeft@uks.eu. Please include the reference number W2182 in the subject line of the e-mail.

If you have any questions, please contact us for assistance. Your contact:
Frau Univ.-Prof. Dr. med. Bergita Ganse
Bergita.ganse@uks.eu
Tel.: +49 (0) 6841 16 31570

This position is a temporary position in accordance with Sec. 14(2) of the German Part-Time and Fixed-Term Employment Act (TzBfG). We can therefore only consider applicants who have never previously been employed at Saarland University. *(Option TzBfG)*

Pay grade classification is based on the particular details of the position held and the extent to which the applicant meets the requirements of the pay grade within the TV-L salary scale. Part-time employment is generally possible.

If you have obtained a foreign university degree, a proof of the equivalence of this degree with a German degree by the Zentralstelle für ausländisches Bildungswesen (ZAB) is needed before hiring. If necessary, please apply for this in time. You can find more information at [https://www.kmk.org/zeugnisbewertung](https://www.kmk.org/zeugnisbewertung).
Unfortunately, neither costs for attending an interview at Saarland University nor costs for any certificate evaluation by the ZAB can be reimbursed in principle.

We welcome applications regardless of gender, nationality, ethnic and social origin, religion/belief, disability, age, and sexual orientation and identity. In accordance with its policy of increasing the proportion of women, the University actively encourages applications from women. Applications from severely disabled persons will be given preferential consideration in the event of equal suitability.

When you submit a job application to Saarland University you will be transmitting personal data. Please refer to our privacy notice for information on how we collect and process personal data in accordance with Art. 13 of the Datenschutz-Grundverordnung. By submitting your application you confirm that you have taken note of the information in the Saarland University privacy notice.